

CONTROL OR LINELP PRINT PAGE Horse Saurch Structure Devolts of POBID or keyword 1 - Author

As of Tuesday Sep 02, 2008 Ed there are 52821 Structures in 1 F

An Information Portal to Biological Macromolecular

Site Search . () Agranged Search

Are you missing data updates? The PDB archive has moved to ftp://ftp.wwpdb.org. For more information click here. Help Structure Summary Biology & Chemistry Staterials & Elethods Singuence Defails Geometry

4	1BNV
۰	Download Files
	FASTA Sequence
	Download Original Files
	M bod S

- M PERMITORIE OF Display Files
- Display Molecule If Structural Reports
- Structure Analysis

4 + X To view the 3D structure click on one of the viewers under the image

1bsv 3 Pa DOL 10 2210avdh (hawladh

Reci - Desword Indonwation Title GDP-FUCOSE SYNTHETASE FROM ESCHERICHIA COLI COMPLEX WITH NADPH

Authors Somers, W.S., Stahl, M.L., Sullivan, F.X. Somers, W.S., Stahl, N.L., Sutlivan, F.X. (1999) GDP-4ucose synthetase from Eschencha odi: structure of a unique member of the short-chain dehydrogenaserireductase family that catalyzes two distinct reactions at the same active size. Structure of: 690-1612.

[Abstract] [9] History Deposition 1998-08-31 Release 1999-08-26

Type X-RAY DIFFRACTION Data N/A

P₂Value R.Forn Rouge Organ Darameters 2.20 0.170 (obs.) P 3, 2 1 104 30 104 30 74.00

Length (A) Angles [1] 120 00 Unit Cell

Images and Visualizat << Biological Molecu RRP Display Options KING Intel Webter

MAY Superdaylines Mitt Protein Works * Capable of displaying biologic

Description Polymer 1 Molecule PROTEIN (GDP-FUCOSE SYNTHETASE) Chams A Asymmetric Unit Classification Oxidoroductase Source Polymer 1 Scientific Name Escherichia cell 🤲 Common Name Bacteria Expression system Escherichia cell Ligand Chemical Component NADPH DIHYDRO-NICOTINAMIDE-ADENINE- G₂₁ H₃₀ N₇ O₁₇ P₃ DINUCLEOTIDE PHOSPHATE SCOP Fold Suporlamily Classification CDDP-4-kete-6 NAD(P)-bir Rossmann-domains debxy-d-mannose epimeraso/reductase (sche (GDP: fucose synthetase) Τοροίουγ CATH Classification NAD(P)-bind Rossmann-li 1bsvA01 õloba Seta 3-Layer(aba) Sandwich Rossmann fold (version v3.1.0) UDP-galactose 4-epimerase, domain 1 UDP galacto Alpha Beta Alpha-Beta Complex PEAM Classification NAD dependent enimerase/dehydratase family A PF01370 ☑ Epimorase Family NADP Rossn GO Terms Biological Process Molecuter Francison catalytic activity
coenzyme binding cellular metabolic process.

STANSO I